

Recombinant Full Length Human RARS Protein

Cat. No. RARS-433HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Arginyl tRNA synthetase with N-terminal proprietary tag. Predicted MW 98.71 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	660 amino acids
Description	Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Arginyl-tRNA synthetase belongs to the class-I aminoacyl-tRNA synthetase family.
Form	Liquid
Molecular Mass	98.710kDa inclusive of tags
AA Sequence	MDVLVSECSARLLQEEEEIKSLTAEIDRLKNCGCLGASPN LEQLQEEENLKLKYRLNIL RKSLQAERNKPTKNMINIISRL QEVFGHAIKAAYPDLENPPLLVTSPQQAKFGDYQC NSAMG ISQMLKTKEQKVNPREIAENITKHLPDNECIEKVEIAGPG FINVHLRKDFVSE QLTSELLVNGVQLPALGENKKVIVDFSS PNIAKEMHVGHLRSTIIGESISRLFEFAGYD VLRNLHVGD WGTQFGMLIAHLQDKFPDYLTVSPPIGDLQVFYKESKKRF DTEEEFK KRAYQCVLLQGKNPDITKAWKLICDVSRQELN KIYDALDVSLIERGESFYQDRMND

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IVKEFEDRGFVQVDDG RKIVFVPGCSIPLTIVKSDGGYTYDTSDLAAIKQRLFEEK AD
 MIIYVVDNGQSVHFQTIFAAAQMIGWYDPKVTRVFHAG FGVVLGEDKKKFKTRSGE
 TVRLMDLLGEGLKRSMDKLKEK ERDKVLTAEELNAAQTSVAYGCIKYADLSHNRLN
 DYIFSF DKMLDDRGNTAAYLLYAFTRIRSIARLANIDEEMLQKAAR ETKILLDHEKEW
 KLGRCILRFPEILQKILDDLFLHTLCDY IYELATAFTEFYDSCYCYVEKDRQTGKILKVN
 MWRMLLCEA VAAVMAKGFILGKIPVQRM

Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name	RARS arginyl-tRNA synthetase [Homo sapiens]
Official Symbol	RARS
Synonyms	RARS; arginyl-tRNA synthetase; arginyl-tRNA synthetase, cytoplasmic; arginine tRNA ligase 1; cytoplasmic; DALRD1
Gene ID	5917
mRNA Refseq	NM_002887
Protein Refseq	NP_002878
MIM	107820

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UniProt ID

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